

REMARKS

Claims 16-17, and 19-28 have been cancelled. Claims 29-32 have been added. Claims 15, 18, and 29-32 are now pending in this application. Claims 15-28 are objected to under 37 CFR 1.75(a). Claims 23, 24 and 27 are rejected under 35 U.S.C. 112 as being indefinite for failing to particularly point out and distinctly claim the subject matter which the Applicant regards as the invention. Claims 15-28 are rejected under 35 U.S.C. 102(b) as being anticipated by Kataoka (US 6,256,976).

Objection to Claims:

Claims 15-28 are objected to under 37 CFR 1.75(a). The Applicant has overcome the rejection by canceling Claims 16, 17 and 19-28, while amending independent Claim 15 to eliminate the phrase "by the measured temperature.

Rejection of Claims 23, 24, and 27 under 35 U.S.C. 112:

Claims 23, 24, and 27 are rejected by the Examiner for being indefinite for failing to particularly point out and distinctly claim the subject matter which the Applicant regards as the invention. Applicant has rendered the rejection moot by canceling Claims 23, 24, and 27.

Rejection of Claims 15-28 under 35 U.S.C. 102(b) as being anticipated by Kataoka (US 6,256,976):

The Applicant appreciates the Examiner's thorough search of the prior art. Independent Claims 15 has been amended to add the following limitations in order to further clarify improvements over the cited prior art reference:

a humidity-measuring device for recording the humidity of the air stream upstream of the injection apparatus; and

a first temperature-measuring device for recording a temperature of the air stream upstream of the injection apparatus; and

a second temperature-measuring device for recording a turbine outlet temperature of an exhaust present at an outlet of the turbine; and

a controller unit controlling flow of the fuel into the gas turbine comprising:

inputs receiving the recorded humidity from the humidity-measuring device and the temperatures from the first and second temperature-measuring devices;
an output connected to a shut-off member for controlling the flow of fuel;
wherein the controller unit is configured to produce the output by:
determining a temperature of the air stream at an inlet of the compressor,
determining a corrected turbine outlet temperature as a function of the
temperature of the air stream at the inlet of the compressor,
comparing the determined corrected turbine outlet temperature to an inputted
desired value of corrected turbine outlet temperature, and
producing the output effective to control the shut-off member as a function of the
compared corrected turbine outlet temperatures.

The Applicant would like the Examiner to especially note that the amended claim 15 includes a controller unit having inputs for the temperature and humidity of the air stream upstream of the injection apparatus, and an output for controlling fuel. In contrast, the function generator 4 of Kataoka provides an output for controlling fuel based upon the inputs of exhaust gas temperature and compressor exit temperature. Thus Kataoka fails to teach the limitations of the amended claim 15 and the rejection under 35 USC 102 has been overcome.

Claim 18 is dependent on Claim 15 and thus incorporates the limitations of Claim 15. For this reason, dependent claim 18 is also in condition for allowance.

Claims 16, 17, and 19-28 have cancelled, therefore rendering moot their rejection.

New claims 29-32:

New claims 29-32 have been added to further limit the Applicant's invention without the addition of new matter. Claim 29 is supported in FIG. 1 and in the specification at paragraph 0012. Claim 30 is supported in the specification at paragraphs 0042 through 0046. Claim 31 is supported in the specification at paragraphs 0040 through 0041. Claim 32 is supported in the specification at paragraphs 0042 through 0048.

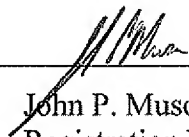
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Conclusion

Based on the above remarks and the amendments made herein, the application should now be in condition for allowance. The Commissioner is hereby authorized to charge any appropriate fees due in connection with this paper, including the fees specified in 37 C.F.R. §§ 1.16 (c), 1.17(a)(1) and 1.20(d), or credit any overpayments to Deposit Account No. 19-2179.

Respectfully submitted,

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By: 
John P. Musone
Registration No. 44,961
(407) 736-6449

Siemens Corporation
Intellectual Property Department
170 Wood Avenue South
Iselin, New Jersey 08830